

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0082244421](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Round Conductor Flat Cable - 24 AWG (7 x 32) Stranded, Topcoat, 21 Circuits, Reel 30.48m (100.0') Length

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR61126
UL E61522

General

Product Family Cable
Series [24472](#)
Crimp Quality Equipment Yes
Geographic Area Asia
Product Name Ribbon

Physical

Cable Length 30.48m (100.0')
Circuits (Loaded) 21
Insulation PVC
Packaging Type Reel
Pitch - Term. Interface (in) 0.079 In
Pitch - Term. Interface (mm) 2.00 mm
Temperature Range - Operating -20°C to +105°C
Wire Size AWG 24
Wire/Cable Type (7x32) Stranded, Topcoat

Electrical

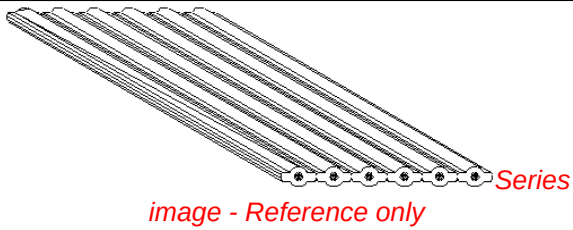
Current - Maximum per Contact N/A
Voltage - Maximum 300V

Material Info

Old Part Number 24472-21-100B

Reference - Drawing Numbers

Sales Drawing SD-24472-001



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

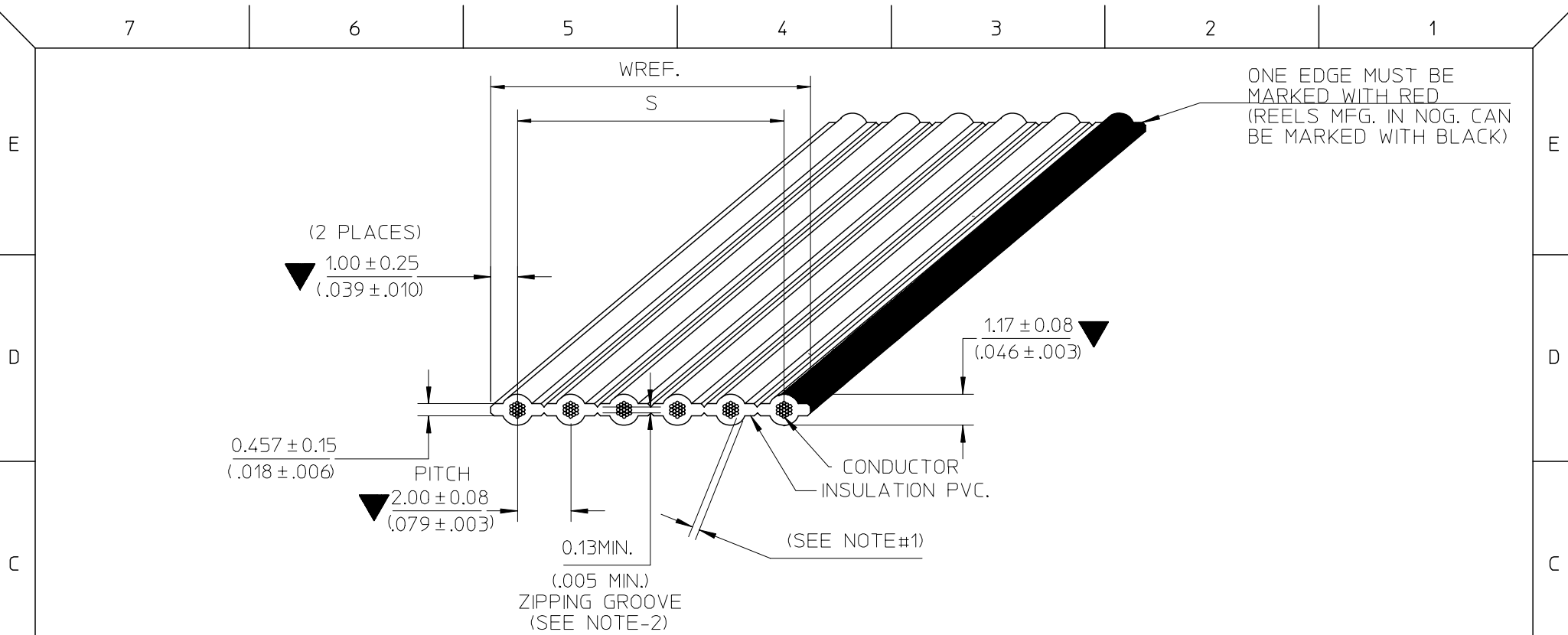


Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[24472Series](#)

Use With
[52484](#) Wire-to-Board, IDT Receptacle Housing

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- NOTE :
1. THE CABLE SHALL HAVE A MINIMUM OF 0.178mm. (.007") THICKNESS INSULATION AT ANY POINT
 2. RIP TEST:
 - THE 0.13mm. (.005") ZIPPING GROOVE SHALL BE CAPABLE OF BEING RIPPED BY HAND WITHIN THE RECESS.WITHOUT EXPOSING THE ADJACENT CONDUCTORS
 3. RoHS AND LEAD FREE COMPLIANT
 4. SPECIAL REQUIREMENT: N/A

B	E-07-0748	B ₂ : ADD NON-OPERATING TEMP. B ₃ : ADD SOLDERING CONDITION	07/10/01
A	N/A	NEW RELEASE	06/08/09
REV. HISTORY	EC NO.	DETAIL	DATE

SEE CHANGE DETAIL
EC NO: THL2008-0015
DRWN:CPANSAKHOM 2007/11/28
CHKD:DNARINTARA 2007/11/29
APPR:SVIRATJAPOL 2007/12/04

QUALITY SYMBOLS
▽=3
▽=0
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± ---
1 PLACE	± ---
ANGULAR ± ---°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
CPANSAKHOM	2006/08/09
CHECKED BY	DATE
PMEECHAI	2006/08/09
APPROVED BY	DATE
SVIRATJAPOL	2006/08/09
MATERIAL NO.	
SEE CHART	
SIZE	
A4	

SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
TITLE		
FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-24472-001		SHEET NO. 1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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E	SPECIFICATIONS PHYSICAL CONDUCTOR SPACING _ _ _ _ _ 2.00 (.079") $\varnothing$ TO $\varnothing$ WIRE GAUGE _ _ _ _ _ 24 AWG(7/32) STRANDED TOPCOATED INSULATION _ _ _ _ _ P.V.C GRAY (LEAD FREE) AGENCY U.L. STYLE NO. _ _ _ _ _ 2651 TEMPERATURE RATING _ _ _ _ _ -20°C TO 105°C VOLTAGE RATING _ _ _ _ _ 300V.MAX. FLAMMABILITY RATING _ _ _ _ _ VW-1 ELECTRICAL CONDUCTOR RESISTANCE (D.C.) _ _ _ _ _ 24.0 m OHMS/FT. MAX. CHARACTERISTIC IMPEDANCE _ _ _ _ _ 148 OHMS NOM. (GS) 106 OHMS NOM. (GSG) CAPACITANCE _ _ _ _ _ 8.5 pF/FT. NOM. (GS) 13.4 pF/FT. NOM. (GSG) PROPAGATION DELAY _ _ _ _ _ 1.4 ns/FT. NOM. INSULATION RESISTANCE _ _ _ _ _ 10M OHMS (10FT. SAMPLE) DIELECTRIC WITHSTAND VOLTAGE _ _ _ _ _ 2000 VRMS/MINUTE GENERAL Δ_B NON-OPERATING TEMPERATURE _ _ _ _ _ -20°C TO 105°C FAULTS AND/OR SPLICES _ _ _ _ _ 1/REEL MAX. 100$\pm$₀³FT. (30.48$\pm$₀⁹¹⁴M.)/REEL 20FT. (6.096M.) MIN. LENGTH Δ_B SOLDERING CONDITION SOLDER TEMPERATURE _ _ _ _ _ -260°C. MAX. SOLDERING TIME _ _ _ _ _ 3 SECOND, MAX. INSULATION SHRINK _ _ _ _ _ 2MM. NOM						E																																																																				
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A	<table><tr><td rowspan="5">SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:DNARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04</td><td rowspan="5">QUALITY SYMBOLS $\blacktriangledown$ = ∇ = </td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td>DIMENSION STYLE</td><td>SCALE</td><td>DESIGN UNITS</td><td rowspan="5"> $\odot$ $\square$ THIRD ANGLE PROJECTION </td></tr><tr><td colspan="2"></td><td>MM/IN</td><td>NTS</td><td>INCH</td></tr><tr><td></td><td>mm</td><td>INCH</td><td>DRAWN BY</td><td>DATE</td><td>TITLE</td></tr><tr><td>4 PLACES</td><td>$\pm$---</td><td>$\pm$---</td><td>CPANSAKHOM</td><td>2006/08/09</td><td rowspan="2">FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED</td></tr><tr><td>3 PLACES</td><td>$\pm$---</td><td>$\pm$---</td><td>CHECKED BY</td><td>DATE</td></tr><tr><td>2 PLACES</td><td>$\pm$---</td><td>$\pm$---</td><td>PMEECHAI</td><td>2006/08/09</td><td rowspan="2">MOLEX INCORPORATED</td></tr><tr><td>1 PLACE</td><td>$\pm$---</td><td>$\pm$---</td><td>APPROVED BY</td><td>DATE</td></tr><tr><td colspan="2">ANGULAR $\pm$---</td><td>$\pm$---</td><td>SVIRATJAPOL</td><td>2006/08/09</td><td></td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td><td>SHEET NO.</td></tr><tr><td colspan="2"></td><td colspan="2">SEE CHART</td><td colspan="2">SD-24472-001</td><td>2 OF 3</td></tr><tr><td colspan="2"></td><td colspan="5">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>						SEE CHANGE DETAIL EC NO: THL2008-0015 DRWN:CPANSAKHOM 2007/11/28 CHKD:DNARINTARA 2007/11/29 APPR:SVIRATJAPOL 2007/12/04	QUALITY SYMBOLS $\blacktriangledown$ = ∇ =	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	$\odot$ $\square$ THIRD ANGLE PROJECTION			MM/IN	NTS	INCH		mm	INCH	DRAWN BY	DATE	TITLE	4 PLACES	$\pm$ ---	$\pm$ ---	CPANSAKHOM	2006/08/09	FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED	3 PLACES	$\pm$ ---	$\pm$ ---	CHECKED BY	DATE	2 PLACES	$\pm$ ---	$\pm$ ---	PMEECHAI	2006/08/09	MOLEX INCORPORATED	1 PLACE	$\pm$ ---	$\pm$ ---	APPROVED BY	DATE	ANGULAR $\pm$ ---		$\pm$ ---	SVIRATJAPOL	2006/08/09		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			SEE CHART		SD-24472-001		2 OF 3			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					A
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	DIMENSIONS MM. (INCHES)													
	DIM. W (REF.)	DIMENSION S	NO. OF CONDUCTOR	ORDER NO.	ENGINEERING NO.									
	4.00 (.157)	2.00±0.08 (.079±.003)	2	82-24-4402	24472-02-100B									
	6.00 (.236)	4.00±0.15 (.157±.006)	3	03	-03-									
	8.00 (.315)	6.00±0.23 (.236±.009)	4	04	-04-									
	10.00 (.394)	8.00±0.28 (.315±.011)	5	05	-05-									
	12.00 (.472)	10.00±0.28 (.394±.011)	6	06	-06-									
	14.00 (.551)	12.00±0.28 (.472±.011)	7	07	-07-									
	16.00 (.630)	14.00±0.28 (.551±.011)	8	08	-08-									
D	18.00 (.709)	16.00±0.28 (.630±.011)	9	09	-09-									
	20.00 (.787)	18.00±0.28 (.709±.011)	10	10	-10-									
	22.00 (.866)	20.00±0.28 (.787±.011)	11	11	-11-									
	24.00 (.945)	22.00±0.28 (.866±.011)	12	12	-12-									
	26.00 (1.024)	24.00±0.28 (.945±.011)	13	13	-13-									
	28.00 (1.102)	26.00±0.28 (1.024±.011)	14	14	-14-									
	30.00 (1.181)	28.00±0.28 (1.102±.011)	15	15	-15-									
	32.00 (1.260)	30.00±0.28 (1.181±.011)	16	16	-16-									
	34.00 (1.339)	32.00±0.28 (1.260±.011)	17	17	-17-									
	36.00 (1.417)	34.00±0.28 (1.339±.011)	18	18	-18-									
C	38.00 (1.496)	36.00±0.28 (1.417±.011)	19	19	-19-									
	40.00 (1.575)	38.00±0.28 (1.496±.011)	20	20	-20-									
	42.00 (1.654)	40.00±0.28 (1.575±.011)	21	21	-21-									
	44.00 (1.732)	42.00±0.28 (1.654±.011)	22	22	-22-									
	46.00 (1.811)	44.00±0.28 (1.732±.011)	23	23	-23-									
	48.00 (1.890)	46.00±0.28 (1.811±.011)	24	24	-24-									
	50.00 (1.969)	48.00±0.28 (1.890±.011)	25	25	-25-									
	52.00 (2.047)	50.00±0.28 (1.969±.011)	26	26	-26-									
	54.00 (2.126)	52.00±0.28 (2.047±.011)	27	27	-27-									
	56.00 (2.205)	54.00±0.28 (2.126±.011)	28	82-24-4428	24472-28-100B									
B														B
A														A
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DIMENSION STYLE MM/IN DRAWN BY CPANSAKHOM 2006/08/09 CHECKED BY PMEECHAI 2006/08/09 APPROVED BY SVIRATJAPOL 2006/08/09 MATERIAL NO. SEE CHART														
SCALE NTS DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE FCB ROUND CONDUCTOR 2.00MM(.079)CENTERS PVC. 24AWG STRANDED TOPCOATED MOLEX INCORPORATED DOCUMENT NO. SD-24472-001 SHEET NO. 3 OF 3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
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